LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046501.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.447	55	59	72	rBV	385747	492205	6.45%	0.708%
2	2.386	206	213	233	rBV	4462252	7625456	100.00%	10.970%
3	2.550	233	240	264	rVB	1116531	1945912	25.52%	2.799%
4	5.385	695	705	720	rBV2	54018	161712	2.12%	0.233%
5	5.550	720	732	754	rVB2	76115	225498	2.96%	0.324%
6	5.958	790	799	815	rBV	61043	166623	2.19%	0.240%
7	6.757	922	930	947	rBV	135894	331874	4.35%	0.477%
8	8.647	1235	1240	1247	rBV	287145	444239	5.83%	0.639%
9	8.720	1247	1252	1258	rVB	54641	82568	1.08%	0.119%
10	9.384	1351	1361	1369	rBV	67448	110833	1.45%	0.159%
11	9.500	1374	1380	1386	rBV4	78045	171841	2.25%	0.247%
12	9.561	1386	1390	1394	rVB	87296	121129	1.59%	0.174%
13	9.616	1394	1399	1403	rBV	88243	141832	1.86%	0.204%
14	9.817	1427	1432	1437	rBV2	135056	296832	3.89%	0.427%
15	9.902	1442	1446	1451	rVB	457305	634318	8.32%	0.913%
16	10.006	1456	1463	1467	rBV	504913	692746	9.08%	0.997%
17	10.055	1467	1471	1476	rVV	298530	421396	5.53%	0.606%
18	10.110	1476	1480	1487	rVV4	48699	102161	1.34%	0.147%
19	10.189	1487	1493	1498	rVV3	233570	414326	5.43%	0.596%
20	10.299	1498	1511	1517	rVV2	774263	1759929	23.08%	2.532%
21	10.360	1517	1521	1532	rVB	2077041	2606265	34.18%	3.749%
22	10.451	1532	1536	1541	rBV2	67385	98846	1.30%	0.142%
23	10.585	1551	1558	1562	rBV2	439755	680504	8.92%	0.979%
24	10.640	1562	1567	1570	rVV	683201	951393	12.48%	1.369%
25	10.671	1570	1572	1577	rVV	264558	344392	4.52%	0.495%
26	10.713	1577	1579	1582	rVB	115465	114643	1.50%	0.165%
27	10.780	1582	1590	1594	rBV	881186	1269971	16.65%	1.827%
28	10.853	1594	1602	1606	rBV3	637581	1183784	15.52%	1.703%
29	10.896	1606	1609	1613	rVB	354280	469864	6.16%	0.676%
30	10.957	1613	1619	1623	rBV2	316422	488215	6.40%	0.702%
31	11.000	1623	1626	1628	rBV2	128852	168826	2.21%	0.243%
32	11.030	1628	1631	1634	rVV	317850	424476	5.57%	0.611%
33	11.085	1634	1640	1642	rVV3	990999	1651998	21.66%	2.377%
34	11.110	1642	1644	1650	rVB	835742	923762	12.11%	1.329%
35	11.189	1650	1657	1660	rBV	852418	1225709	16.07%	1.763%
36	11.219	1660	1662	1665	rVB2	222182	225199	2.95%	0.324%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

37	11.305	1671	1676	1679	rBV	1011122	1259620	16.52%	1.812%
38	11.335	1679	1681	1684	rVV3	127825	174428	2.29%	0.251%
39	11.378	1684	1688	1694	rVV	3101679	5387562	70.65%	7.750%
40	11.451	1694	1700	1702	rVV2	1512283	2617838	34.33%	3.766%
41	11.481	1702	1705	1710	rVB	3848968	4509275	59.13%	6.487%
42	11.609	1722	1726	1734	rVV	1523828	2324522	30.48%	3.344%
43	11.683	1734	1738	1740	rVV	274481	325142	4.26%	0.468%
44	11.713	1740	1743	1746	rVV	938398	1149160	15.07%	1.653%
45	11.750	1746	1749	1759	rVB	4068913	5392468	70.72%	7.757%
46	11.835	1759	1763	1765	rBV2	201836	273982	3.59%	0.394%
47	11.890	1765	1772	1777	rVV2	642020	1076297	14.11%	1.548%
48	11.945	1777	1781	1783	rVV	499969	651749	8.55%	0.938%
49	11.969	1783	1785	1788	rVV	440462	483264	6.34%	0.695%
50	12.036	1788	1796	1799	rVV3	489157	1089653	14.29%	1.568%
51	12.085	1799	1804	1811	rVV3	956098	2117189	27.76%	3.046%
52	12.170	1811	1818	1825	rVB2	525652	944788	12.39%	1.359%
53	12.243	1825	1830	1832	rBV2	523470	759430	9.96%	1.092%
54	12.268	1832	1834	1838	rVB	580916	584731	7.67%	0.841%
55	12.317	1838	1842	1848	rVB3	728089	1266767	16.61%	1.822%
56	12.420	1848	1859	1863	rBV	2321119	3108993	40.77%	4.472%
57	12.463	1863	1866	1872	rVB	559089	764717	10.03%	1.100%
58	12.530	1872	1877	1879	rBV	359929	503812	6.61%	0.725%
59	12.554	1879	1881	1884	rVV	356012	396078	5.19%	0.570%
60	12.609	1888	1890	1893	rVB	225855	224326	2.94%	0.323%
61	12.695	1899	1904	1906	rBV2	193516	361155	4.74%	0.520%
62	12.725	1906	1909	1913	rVV3	255660	403287	5.29%	0.580%
63	12.798	1917	1921	1922	rVV2	88847	125080	1.64%	0.180%
64	12.847	1926	1929	1932	rVV2	79848	94063	1.23%	0.135%
65	12.890	1932	1936	1943	rVV5	162080	430179	5.64%	0.619%
66	12.963	1945	1948	1954	rVB2	178946	316433	4.15%	0.455%
67	13.036	1954	1960	1964	rBV4	114492	208695	2.74%	0.300%
68	13.262	1992	1997	2000	rVV2	288719	453601	5.95%	0.653%
69	13.292	2000	2002	2006	rVV2	229039	283653	3.72%	0.408%
70	13.384	2012	2017	2020	rVV3	43142	86770	1.14%	0.125%
71	13.420	2020	2023	2032	rVB2	113913	193878	2.54%	0.279%

Sum of corrected areas: 69513862

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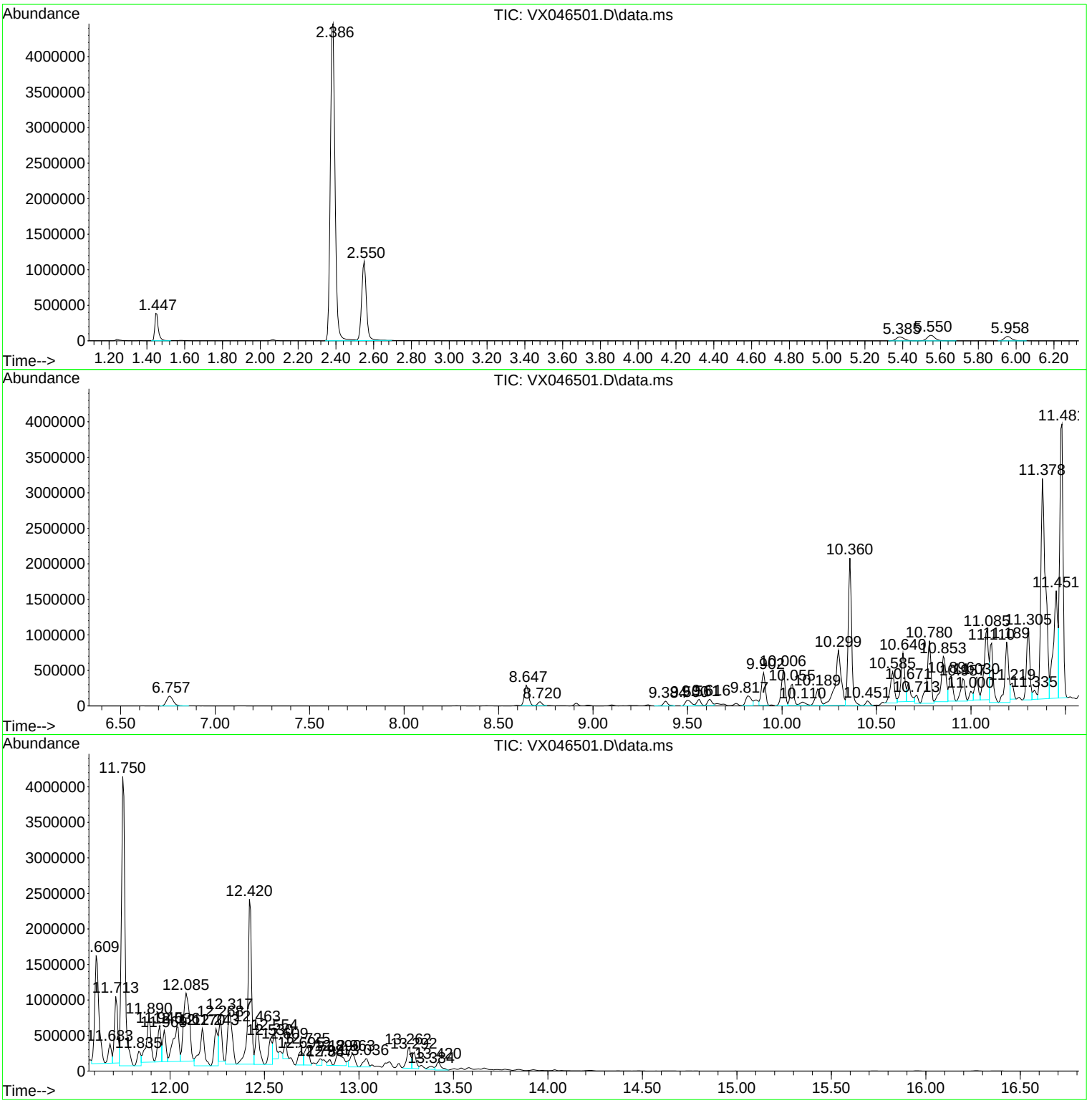
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
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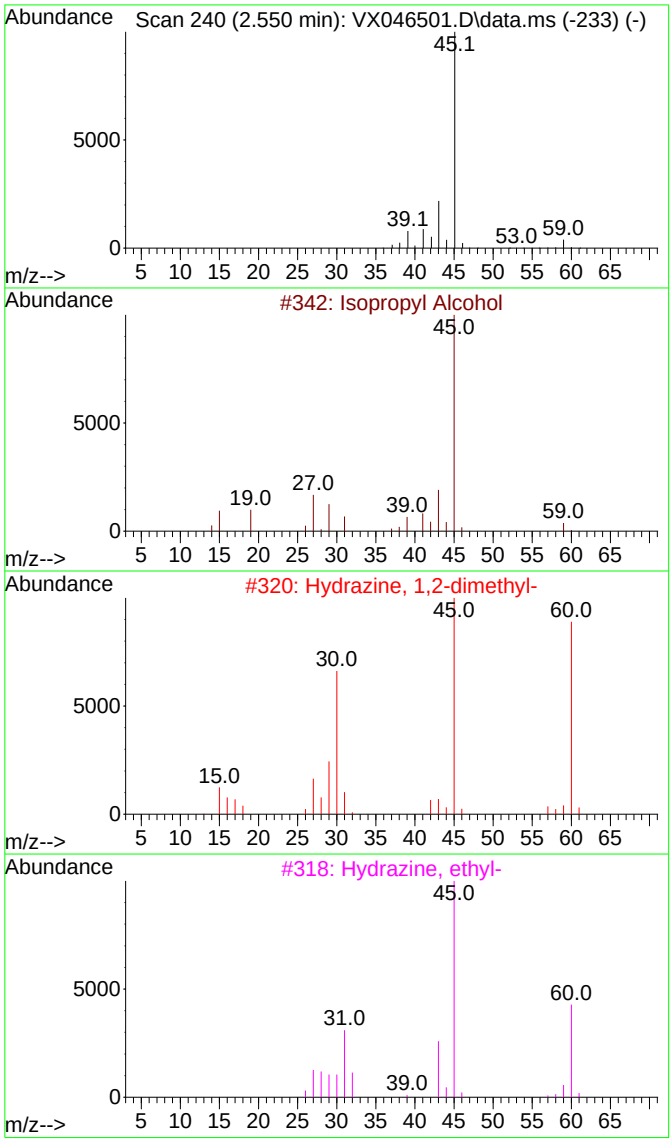
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

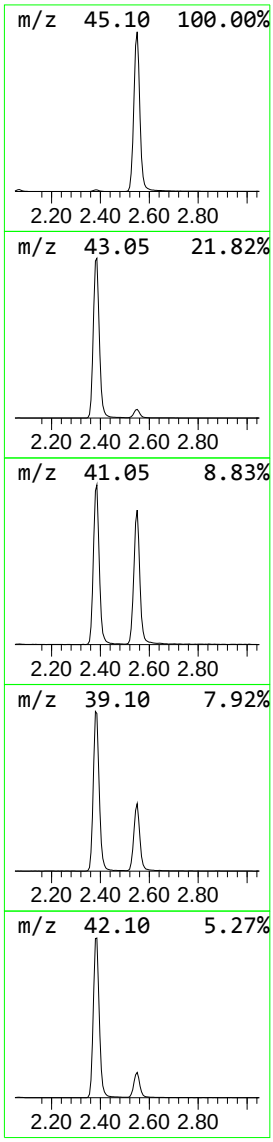
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Isopropyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.550	431.47 ug/l	1945910	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
4	Formamide	45	CH3NO	000075-12-7	4
5	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	4





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Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

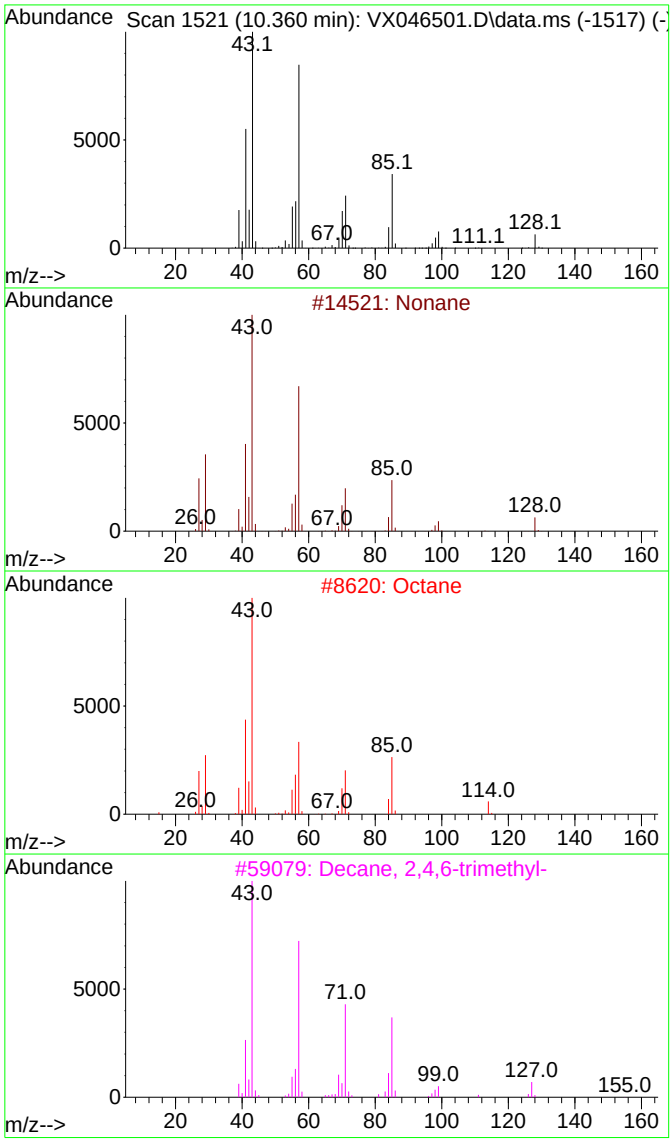
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

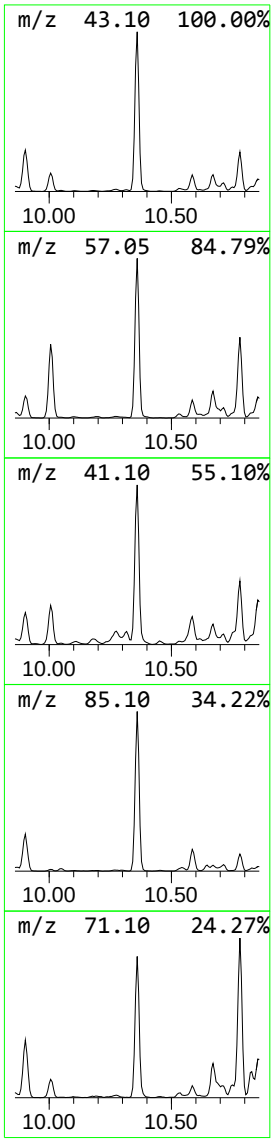
****

Peak Number 3 Nonane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.360	309.24 ug/l	2606270	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Octane	114	C8H18	000111-65-9	59
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

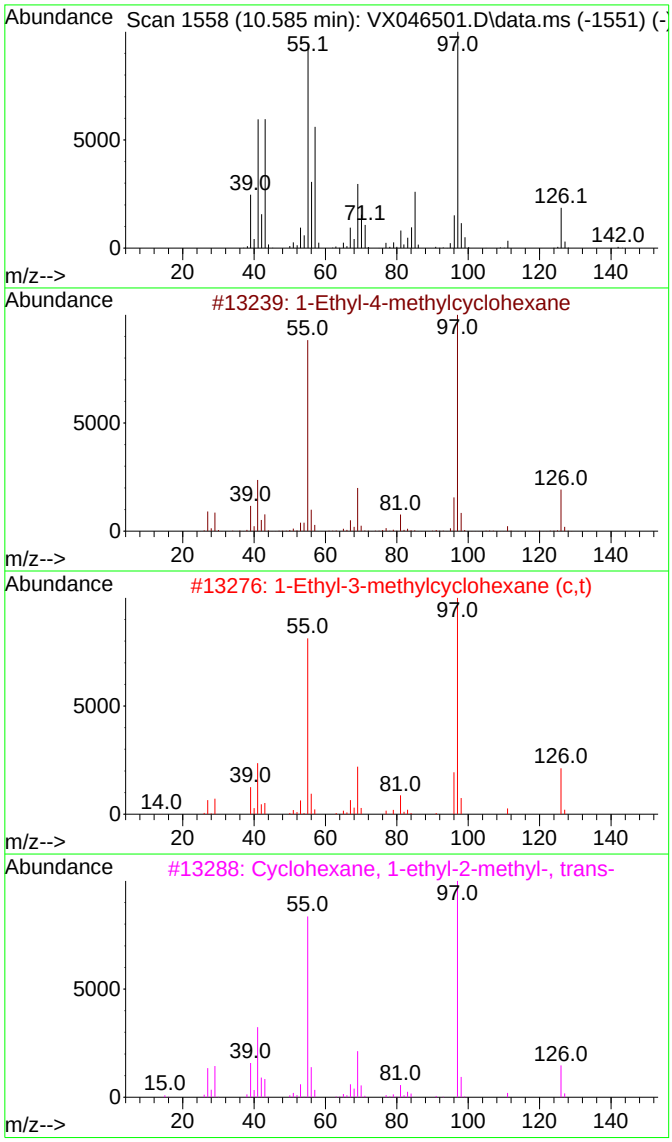
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

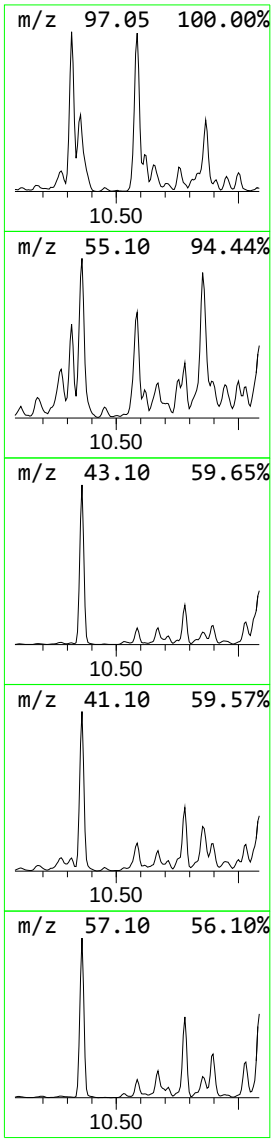
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Ethyl-4-methylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.585	80.74 ug/l	680504	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

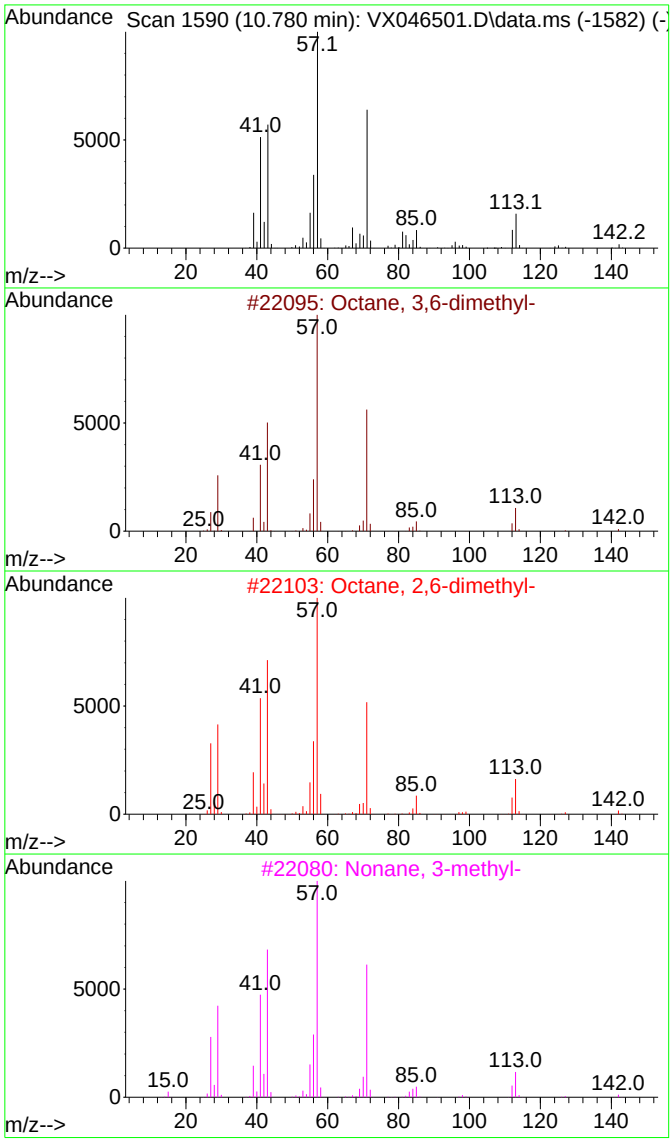
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

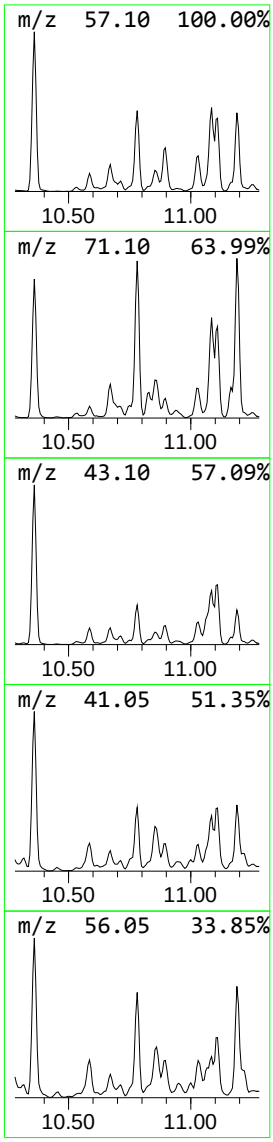
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	150.69 ug/l	1269970	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53





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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

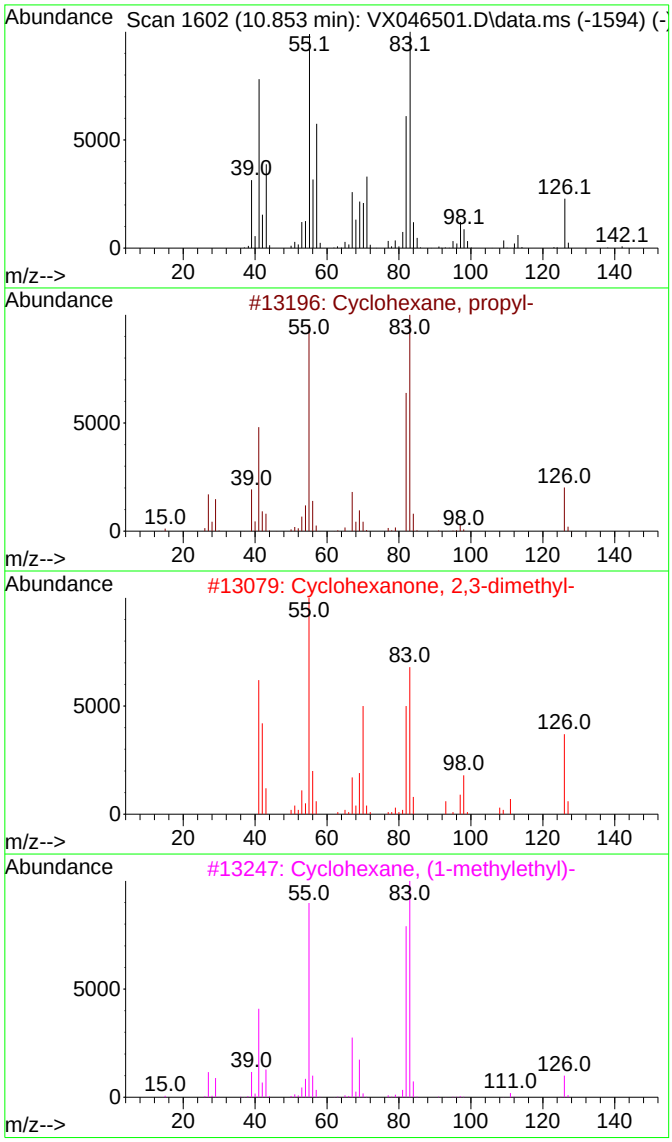
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

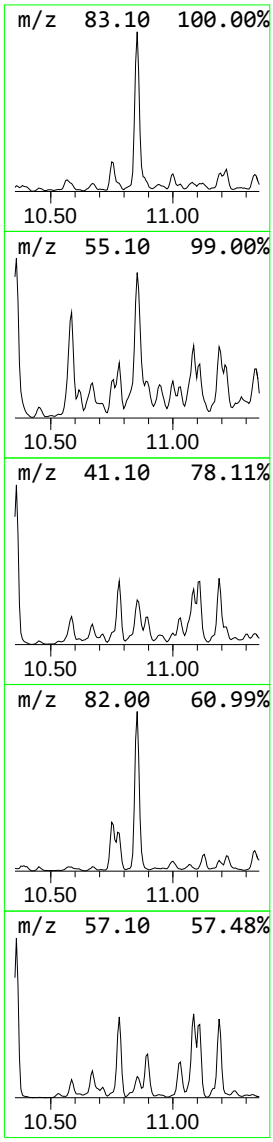
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.854	140.46 ug/l	1183780	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
4	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	49
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	49





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Data File : VX046501.D
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Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

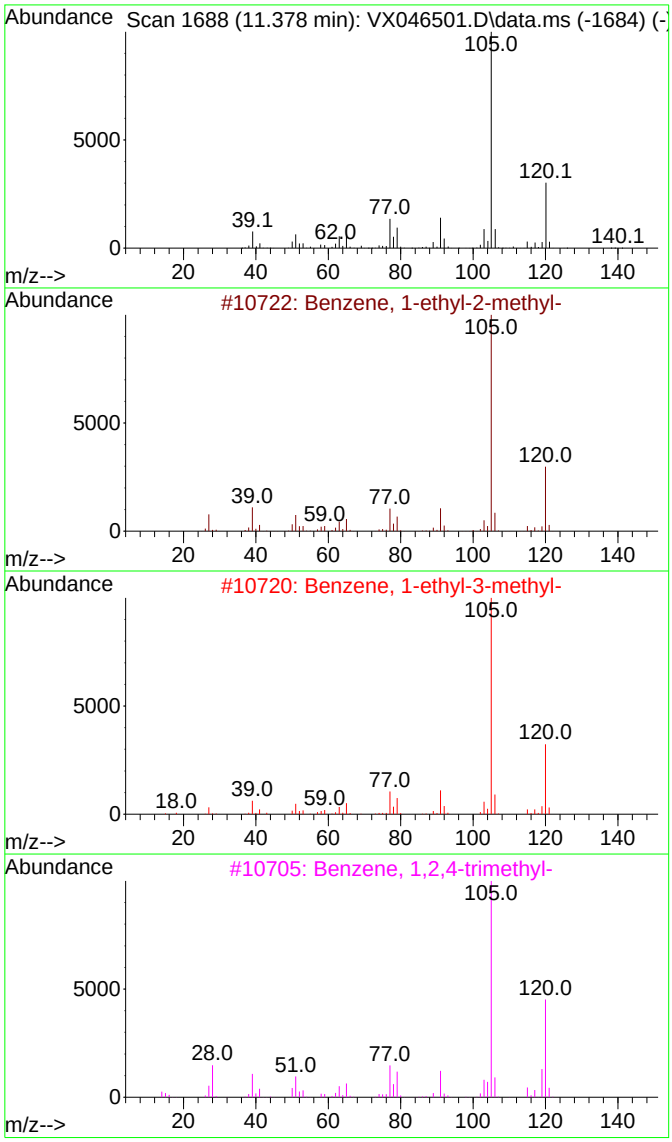
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

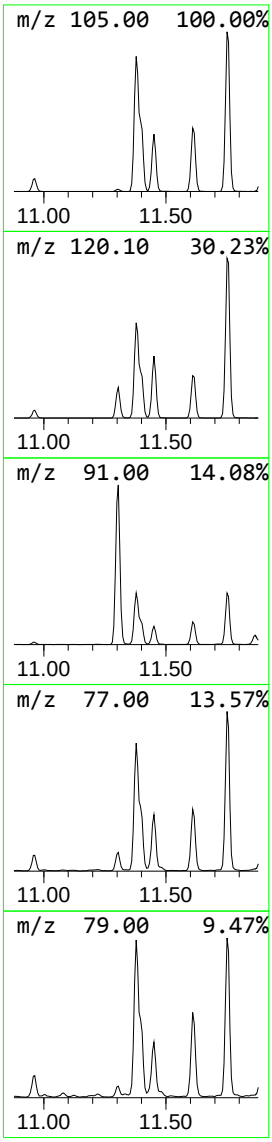
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	247.22 ug/l	5387560	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

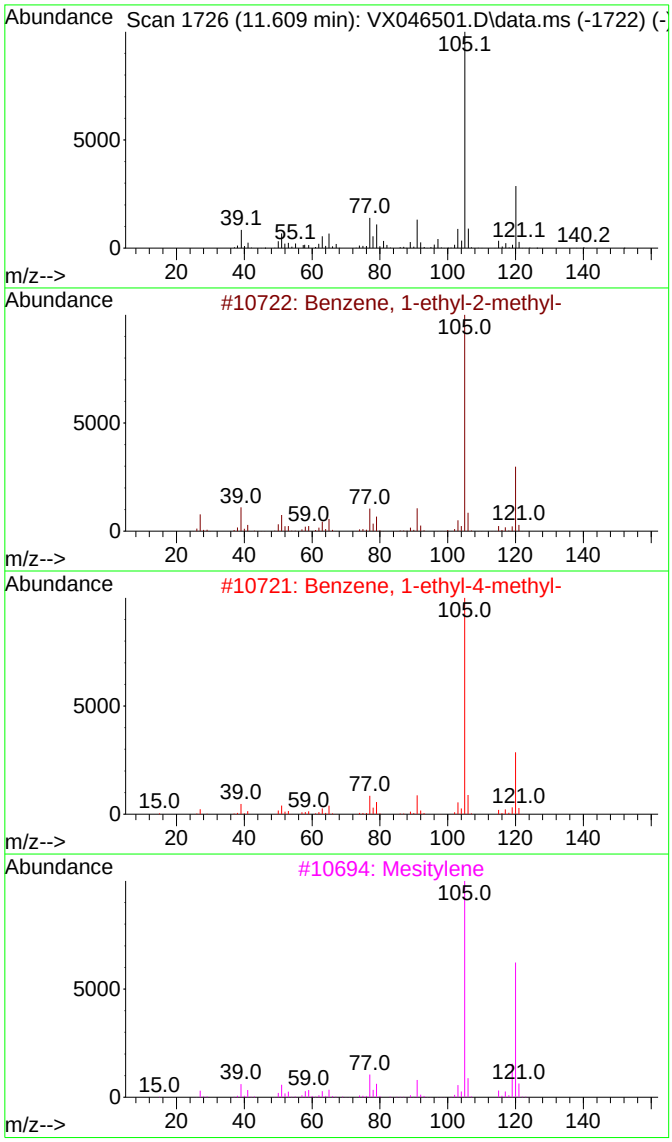
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

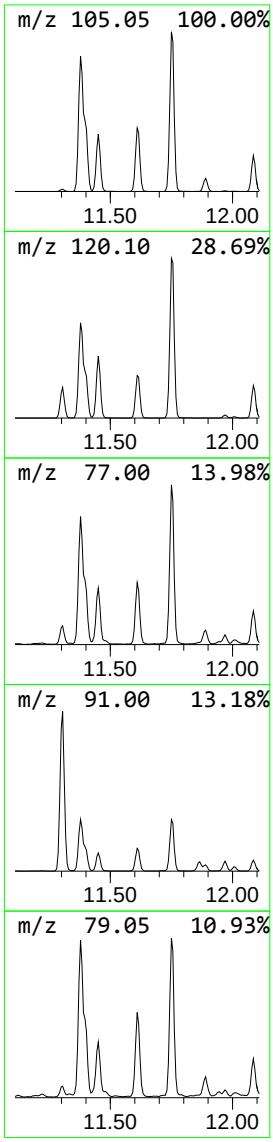
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	106.66 ug/l	2324520	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

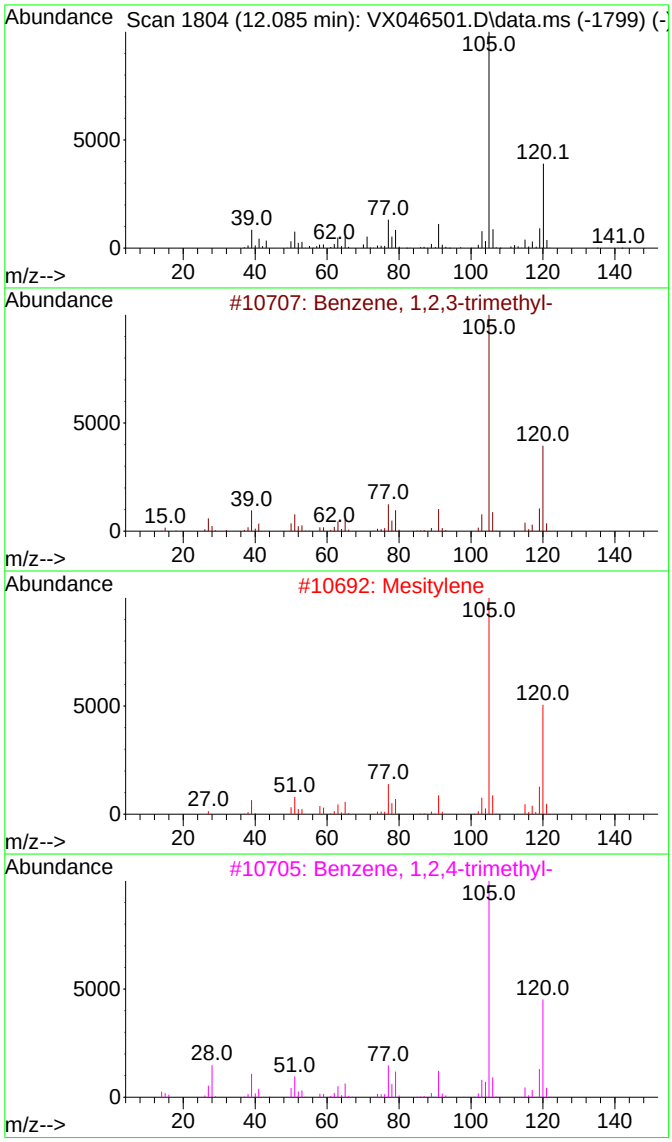
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

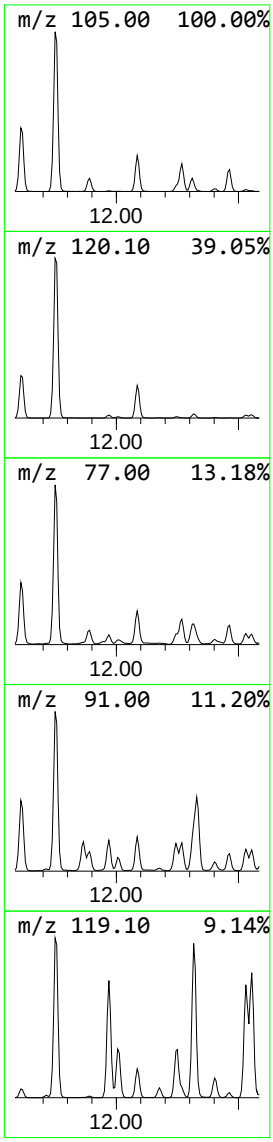
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	97.15 ug/l	2117190	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

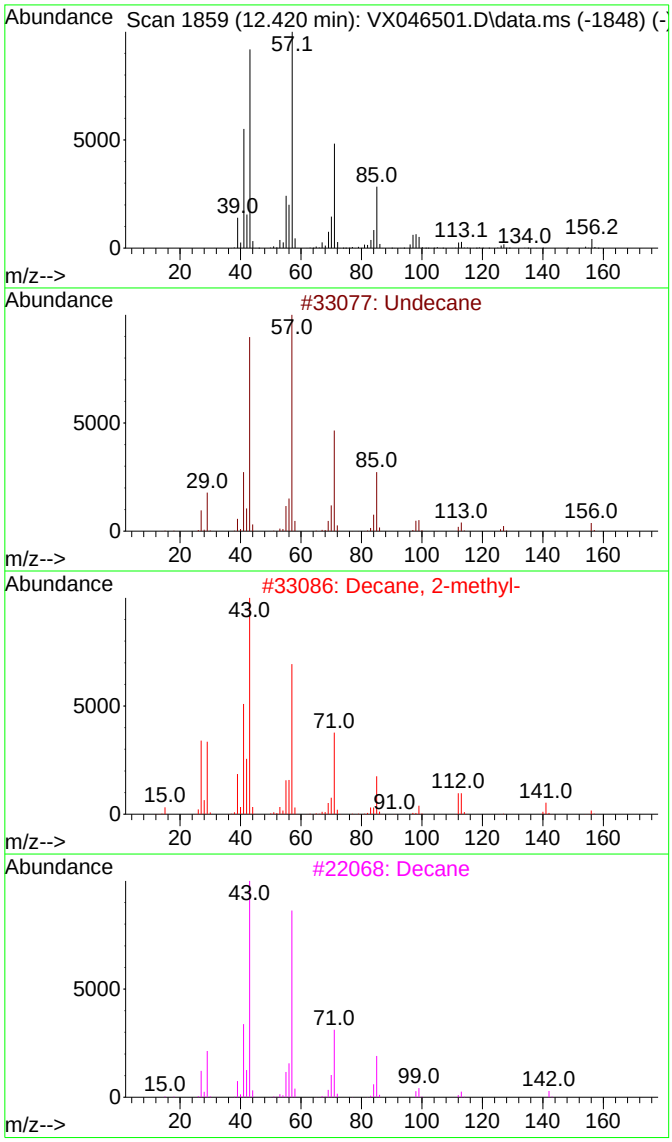
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

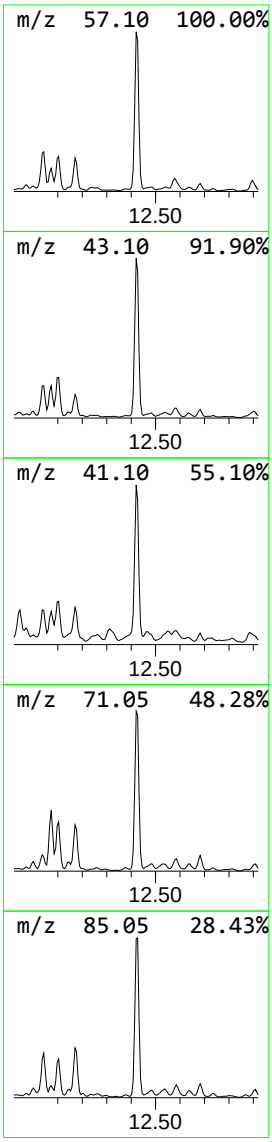
****

Peak Number 10 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.420	142.66 ug/l	3108990	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Decane, 2-methyl-	156	C11H24	006975-98-0	80
3	Decane	142	C10H22	000124-18-5	78
4	Tetradecane	198	C14H30	000629-59-4	64
5	Hexadecane	226	C16H34	000544-76-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046501.D
Acq On : 04 Jun 2025 15:26
Operator : JC/MD
Sample : Q2175-06 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EGR-LIQUID

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isopropyl Alcohol	2.550	431.5	ug/l	1945910	1	5.550	225498	50.0
Nonane	10.360	309.2	ug/l	2606270	3	10.055	421396	50.0
1-Ethyl-4-methy...	10.585	80.7	ug/l	680504	3	10.055	421396	50.0
Octane, 3,6-dim...	10.780	150.7	ug/l	1269970	3	10.055	421396	50.0
Cyclohexane, pr...	10.854	140.5	ug/l	1183780	3	10.055	421396	50.0
Benzene, 1-ethy...	11.378	247.2	ug/l	5387560	4	12.018	1089650	50.0
Benzene, 1-ethy...	11.610	106.7	ug/l	2324520	4	12.018	1089650	50.0
Benzene, 1,2,3-...	12.085	97.2	ug/l	2117190	4	12.018	1089650	50.0
Undecane	12.420	142.7	ug/l	3108990	4	12.018	1089650	50.0