

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016596.D
 Acq On : 05 Dec 2023 15:09
 Operator : SY/MD
 Sample : 05600-05
 Misc : 2.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3

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_Y\methods\82Y120423S.M

Title : SW846 8260

Signal : TIC: VY016596.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.875	6	9	23	rVB3	14333	35880	4.96%	0.662%
2	2.400	88	95	101	rBV	48076	85013	11.75%	1.568%
3	3.271	231	238	246	rBV3	16483	39839	5.50%	0.735%
4	3.844	325	332	342	rBV2	11812	32110	4.44%	0.592%
5	3.966	344	352	364	rVV	53870	144344	19.95%	2.662%
6	4.503	435	440	446	rVB3	4488	9055	1.25%	0.167%
7	4.753	472	481	489	rBV2	16169	47182	6.52%	0.870%
8	5.612	614	622	628	rBV4	7454	20681	2.86%	0.381%
9	6.734	796	806	813	rBV3	12386	39835	5.50%	0.735%
10	7.015	847	852	858	rBV2	6043	11978	1.66%	0.221%
11	7.740	960	971	977	rBV	102831	247938	34.26%	4.572%
12	7.813	977	983	992	rVB	174082	390514	53.96%	7.202%
13	8.167	1033	1041	1051	rVB	106180	237350	32.80%	4.377%
14	8.417	1076	1082	1094	rVB3	19256	44618	6.17%	0.823%
15	8.575	1102	1108	1114	rBV3	15473	33825	4.67%	0.624%
16	8.709	1121	1130	1140	rVB	265038	522520	72.20%	9.636%
17	9.282	1217	1224	1232	rBV	72638	143022	19.76%	2.638%
18	10.197	1366	1374	1381	rBV	413720	723708	100.00%	13.346%
19	10.264	1381	1385	1390	rVB	23057	37855	5.23%	0.698%
20	10.593	1434	1439	1447	rBV2	6909	14266	1.97%	0.263%
21	10.947	1490	1497	1512	rBV	385243	637864	88.14%	11.763%
22	11.508	1582	1589	1596	rBV	391153	649811	89.79%	11.983%
23	11.721	1617	1624	1631	rBV6	10969	23711	3.28%	0.437%
24	11.825	1638	1641	1646	rVB3	6064	9797	1.35%	0.181%
25	12.221	1701	1706	1714	rVB3	20020	34475	4.76%	0.636%
26	12.495	1744	1751	1758	rBV	322384	520422	71.91%	9.597%
27	12.825	1801	1805	1809	rVB6	5592	8399	1.16%	0.155%
28	12.989	1827	1832	1835	rBV4	4382	7622	1.05%	0.141%
29	13.282	1874	1880	1887	rVB4	14865	27138	3.75%	0.500%
30	13.440	1900	1906	1912	rBV	388459	589160	81.41%	10.865%
31	13.495	1912	1915	1922	rVB4	5378	9765	1.35%	0.180%
32	13.751	1953	1957	1961	rVB3	4695	8257	1.14%	0.152%
33	13.971	1988	1993	1998	rBV3	11200	21566	2.98%	0.398%
34	14.221	2030	2034	2038	rBV2	7787	13099	1.81%	0.242%

Sum of corrected areas: 5422619

Instrument :

MSVOA_Y

ClientSampleId :

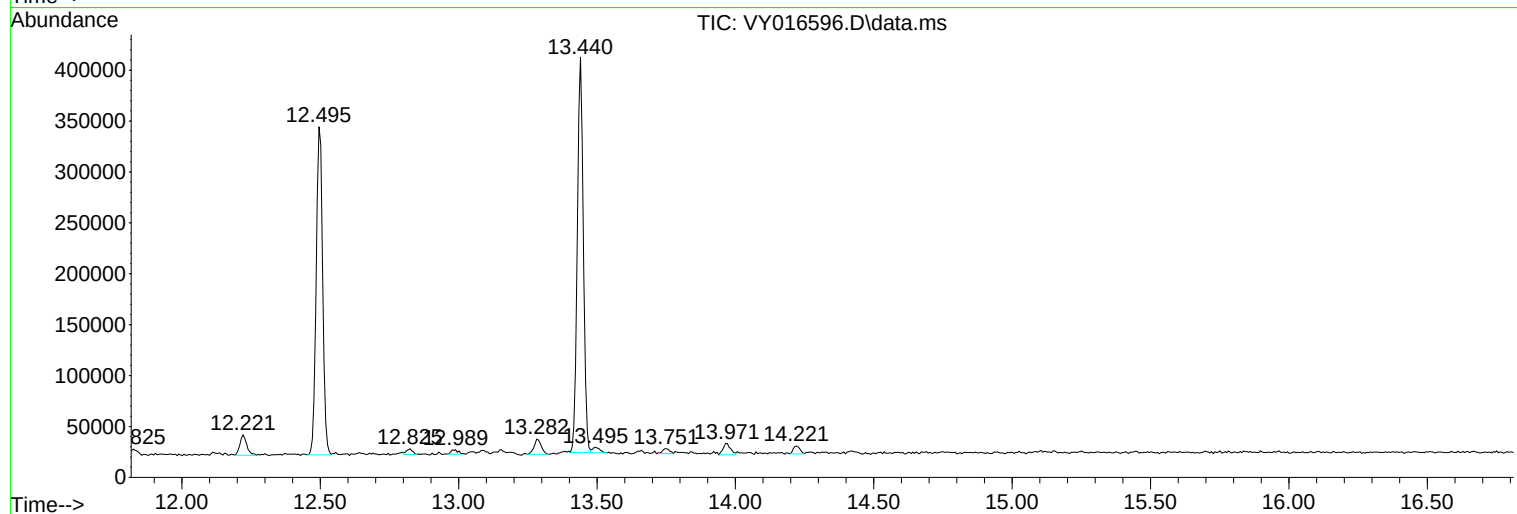
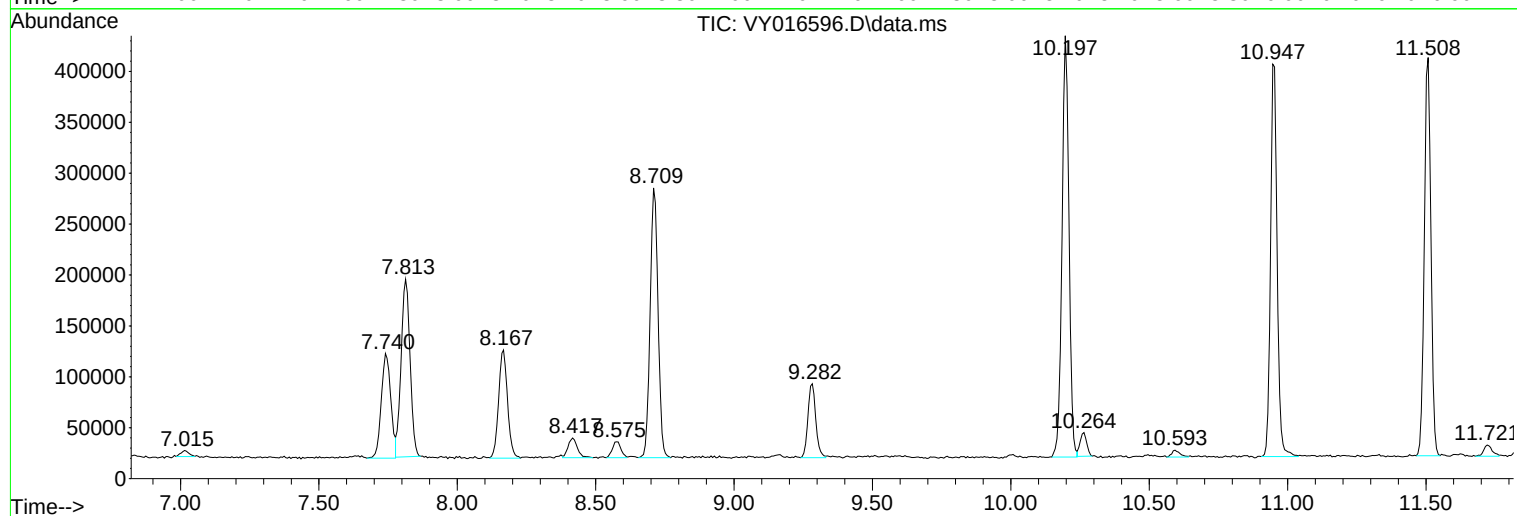
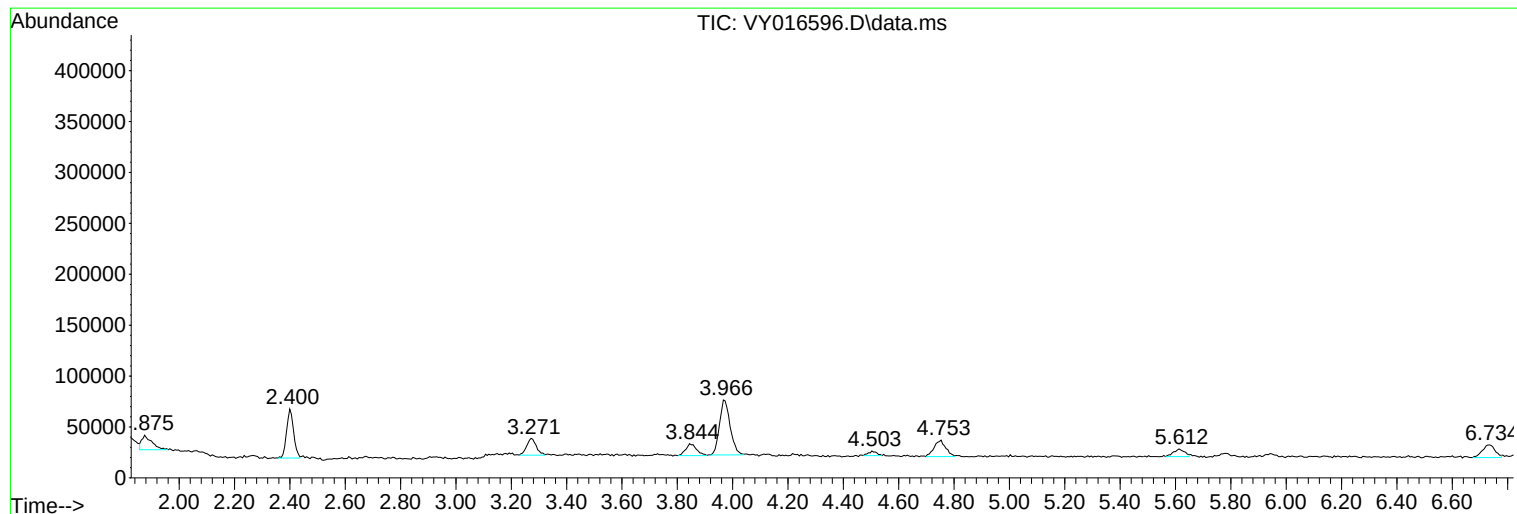
TOPSOIL-LKWD-DENALI-3

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
Quant Title : SW846 8260

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



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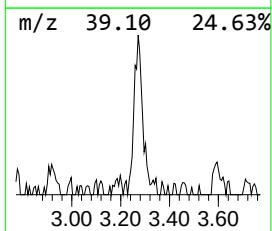
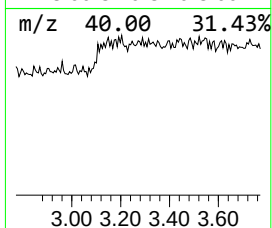
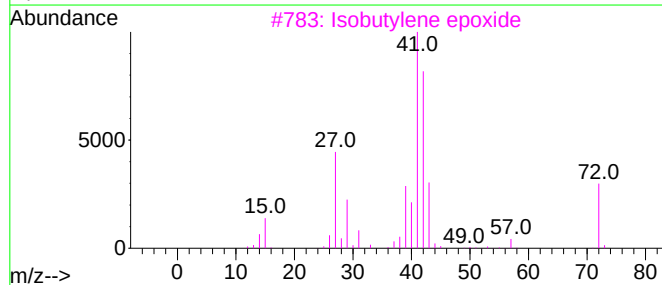
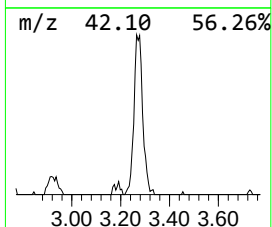
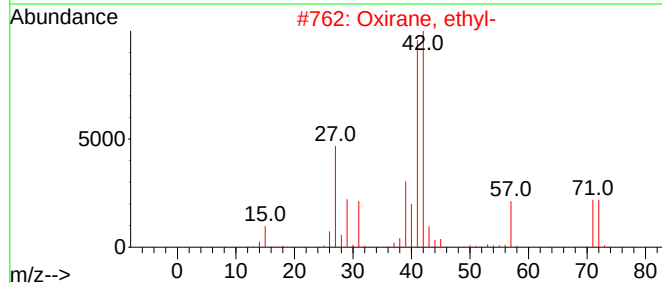
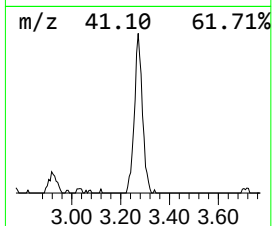
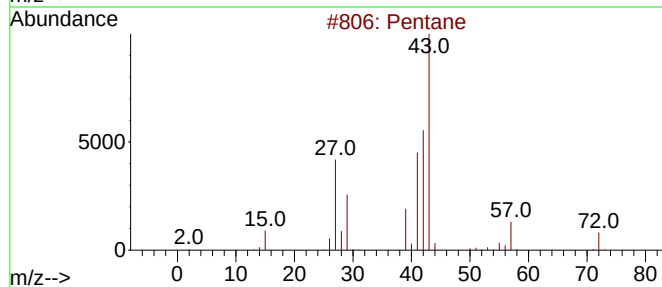
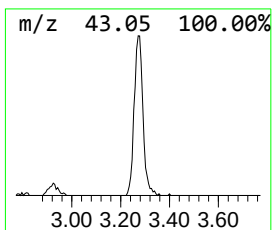
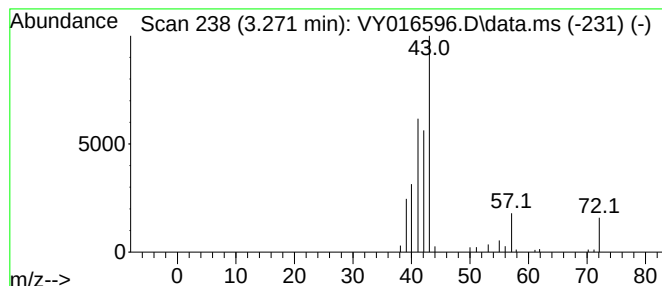
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.271	5.10 ug/l	39839	Pentafluorobenzene	7.813

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane	72	C5H12	000109-66-0	86
2			Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3			Isobutylene epoxide	72	C4H8O	000558-30-5	37
4			Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	33
5			1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	9



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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

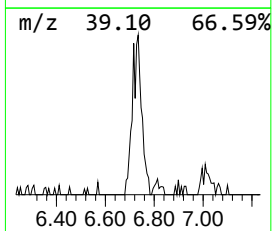
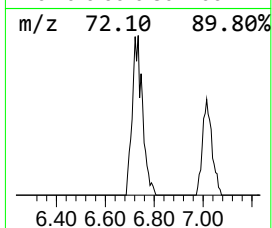
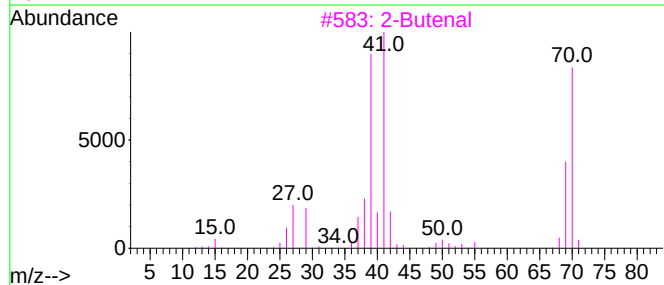
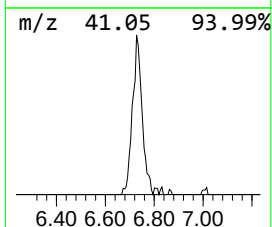
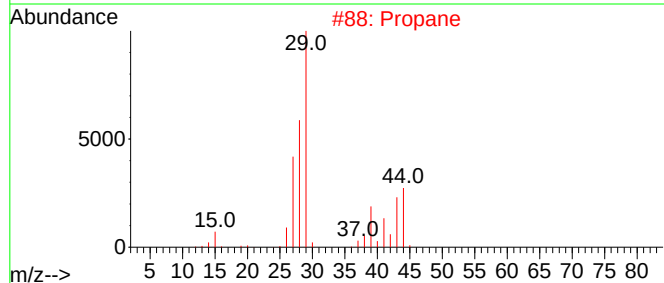
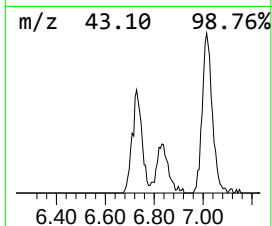
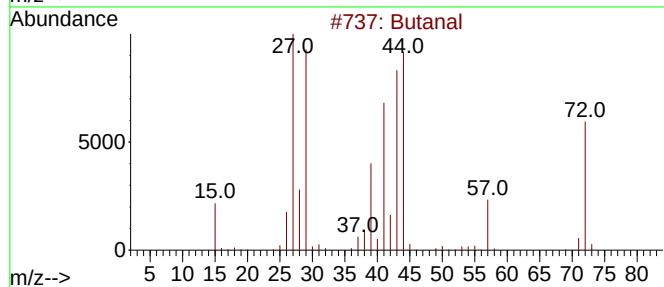
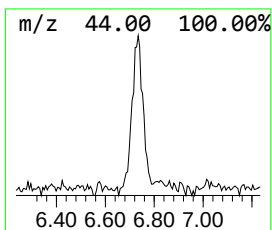
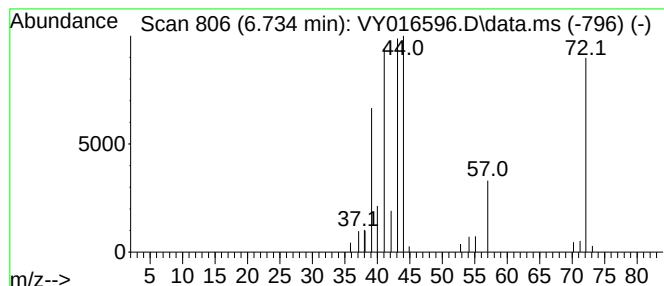
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
Quant Title : SW846 8260

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

Peak Number 3 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.734	5.10 ug/l	39835	Pentafluorobenzene	7.813

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanal	72	C4H8O	000123-72-8	72
2			Propane	44	C3H8	000074-98-6	59
3			2-Butenal	70	C4H6O	004170-30-3	38
4			2-Butenal, (E)-	70	C4H6O	000123-73-9	38
5			2-Butenal, (Z)-	70	C4H6O	015798-64-8	38



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Misc : 2.73g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

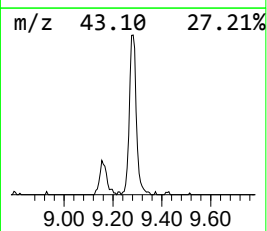
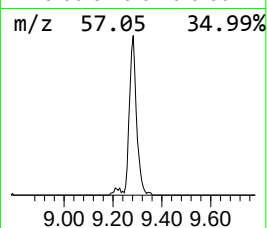
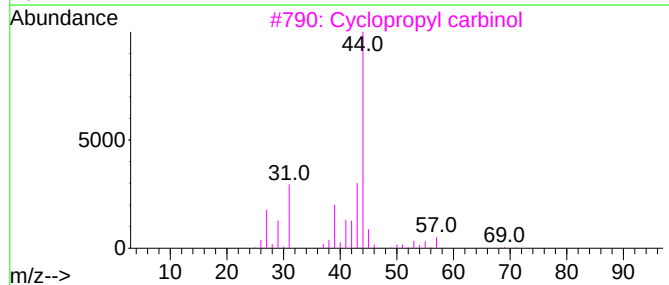
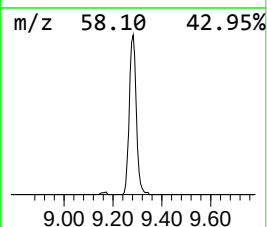
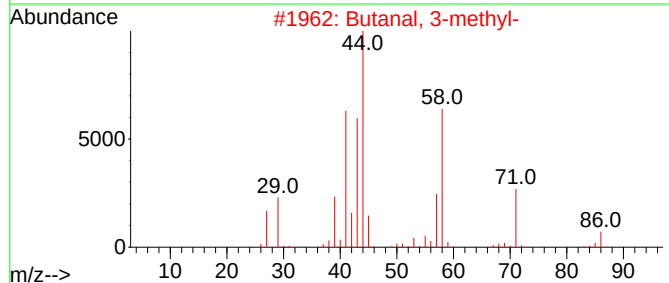
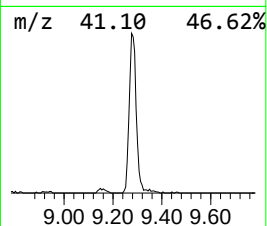
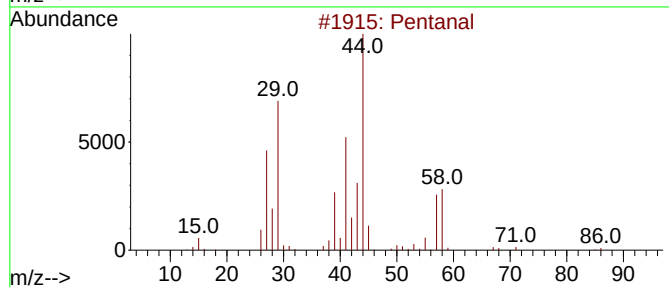
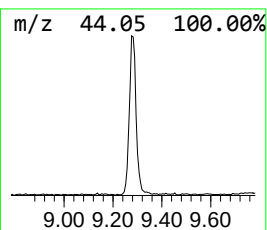
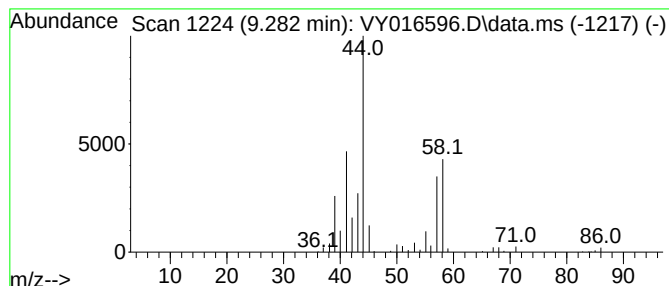
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.282	13.69 ug/l	143022	1,4-Difluorobenzene	8.709

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanal	86	C5H10O	000110-62-3	86
2			Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
3			Cyclopropyl carbinol	72	C4H8O	002516-33-8	42
4			Butanal, 2-methyl-	86	C5H10O	000096-17-3	9
5			Ethylene oxide	44	C2H4O	000075-21-8	9



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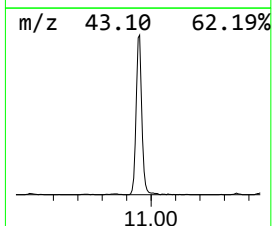
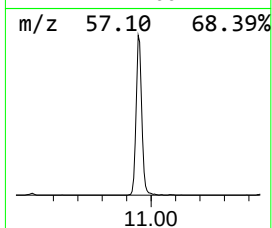
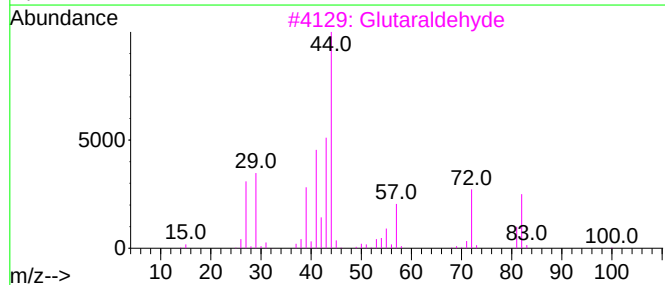
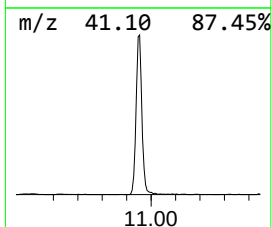
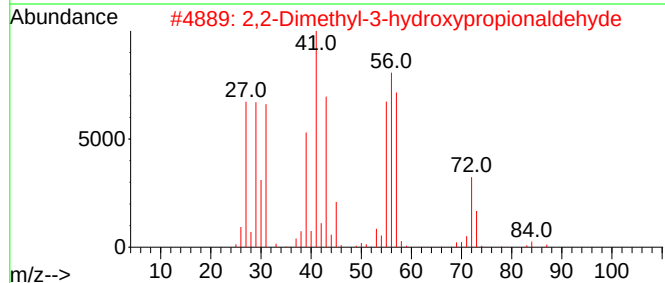
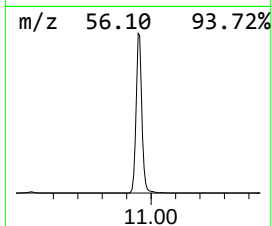
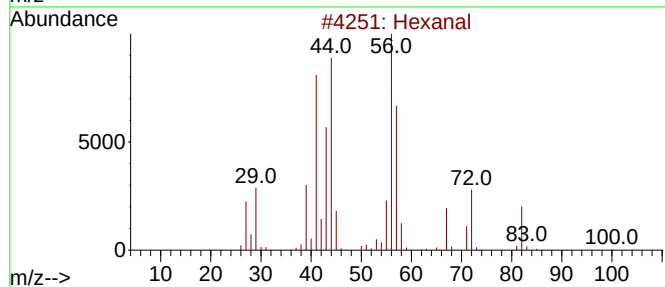
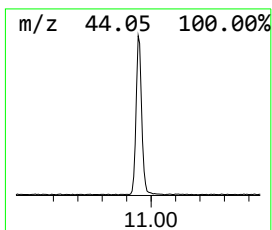
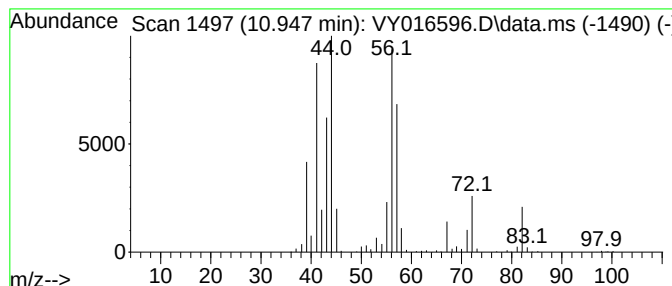
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.947	49.08 ug/l	637864	Chlorobenzene-d5	11.508

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanal	100	C6H12O	000066-25-1	90
2			2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	32
3			Glutaraldehyde	100	C5H8O2	000111-30-8	30
4			Butanal	72	C4H8O	000123-72-8	27
5			Aziridine, 2-methyl-	57	C3H7N	000075-55-8	14



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane	3.271	5.1	ug/l	39839	1	7.813	390514	50.0
Butanal	6.734	5.1	ug/l	39835	1	7.813	390514	50.0
Pentanal	9.282	13.7	ug/l	143022	2	8.709	522520	50.0
Hexanal	10.947	49.1	ug/l	637864	3	11.508	649811	50.0